

Appl. No.: 10/678,556

Amtd. dated 02/09/2006

Reply to Office action of August 9, 2005

Claims:

1. (original) A method for developing lasts, the method comprising: developing a last and a test shoe from the last for an individual, the test shoe meeting at least one predetermined criteria based on feedback from the individual; determining at least one measurement of the developed last; storing the at least one measurement; developing another last for another individual by modifying the stored at least one measurement.
2. (original) The method as set forth in claim 1, further comprising: developing a custom shoe from the other last for the other individual by referring to the stored measurements.
3. (original) The method as set forth in claim 1, wherein the individual and the other individual are women.
4. (original) The method as set forth in claim 1, wherein the individual and the other individual are men.
5. (original) The method as set forth in claim 3, wherein the test shoe and the custom shoe have a heel.
6. (original) The method as set forth in claim 1, wherein developing the last and the test shoe from the last for the individual includes creating a first test shoe from a base last, the first test shoe being worn by the individual, receiving feedback from the individual regarding the first test shoe to determine whether the at least one predetermined criteria is satisfied, if the at least one predetermined criteria is satisfied, the base last is the last, and if the at least one predetermined criteria are not satisfied, modifying the base last according to the feedback and

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creating a second test shoe from the modified base last, the second test shoe being worn by the individual, receiving feedback from the individual regarding the second test shoe to determine whether the at least predetermined criteria is satisfied, if the at least one predetermined criteria is satisfied, the modified base last is the last, and if the at least one predetermined criteria is not satisfied, modifying the modified base last at least one additional time according to feedback from the individual and creating at least one additional test shoe until the predetermined criteria are satisfied.

7. (original) The method as set forth in claim 1, wherein developing the other last for the other individual by referring to the stored at least one measurement includes determining at least one measurement of at least one foot of the individual, determining at least one measurement of at least one foot of the other individual, comparing the at least one measurement of the individual to the corresponding at least one measurement of the other individual to determine an adjustment measurement, and modifying the stored at least one measurement associated with the developed last based on the adjustment measurement.

8. (original) A method for developing lasts, the method comprising: developing a last and a test shoe from the last for an individual; determining at least one measurement of the developed last; storing the at least one measurement; and developing a plurality of lasts for a plurality of respective other individuals by referring to the stored at least one measurement.

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9. (original) A method for developing custom lasts, the method comprising:

developing a pair of template lasts for an individual;

developing a pair of test shoes meeting at least one predetermined criteria from the pair of template lasts;

measuring feet of the individual to determine a first plurality of measurements;

measuring feet of a customer to produce a second plurality of measurements;

comparing the first plurality of measurements and the second plurality of measurements to determine at least one adjustment measurement; and

developing a pair of custom lasts by modifying the pair of template lasts according to the at least one adjustment measurement.

10. (original) The method as set forth, in claim 9, further comprising:

developing a pair of custom shoes from the pair of custom lasts.

11. (original) The method as set forth in claim 9, wherein developing the pair of template lasts includes creating a first test shoe from a base last, the first test shoe being worn by the individual, receiving feedback from the individual regarding the first test shoe to determine whether the at least one predetermined criteria is satisfied, if the at least one predetermined criteria is satisfied, the base last is the last, and if the at least one predetermined criteria are not satisfied, modifying the base last according to the feedback and creating a second test shoe from the modified base last, the second test shoe being worn by the individual, receiving feedback from the individual regarding the second test shoe to determine whether the at least predetermined criteria is satisfied, if the at least one predetermined criteria is satisfied, the

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modified base last is the last, and if the at least one predetermined criteria is not satisfied, modifying the modified base last at least one additional time according to feedback from the individual and creating at least one additional test shoe until the predetermined criteria are satisfied.

12. (original) The method as set forth in claim 9, wherein the at least one predetermined criteria is met based on the individual's answer to at least one of a plurality of questions regarding how the length of each of the individual's feet feel, how the individual's toes feel, how the width of each of the individual's feet feel, how the heel of each of the individual's feet feel, how the arch of each of the individual's feet feel, how the balance of each of the individual's feet feel, how the ball of each of the individual's feet feel and how the ankle of each of the individual's feet feel.

13. (original) The method as set forth in claim 9, wherein the plurality of measurements are scaled in millimeters.

14. (original) The method as set forth in claim 9, wherein the plurality of measurements include a foot length measurement and at least one ball girth measurement, for each foot.

15. (original) The method as set forth in claim 14, wherein the plurality of measurements further include at least one of a ball width measurement, a toe height measurement, a toe girth measurement, a toe width measurement, a heel width measurement, a heel height measurement, a heel pitch measurement, an instep girth measurement and an instep height measurement, for each foot.

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16. (original) The method as set forth in claim 14, wherein the at least one ball girth measurement includes at least one of a ball girth measurement at a point on a respective foot that is a first predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the first predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a second predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the second predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a third predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the third predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a fourth predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the fourth predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a fifth predetermined percentage of the length of the respective foot and a ball width measurement at a point that is the fifth predetermined percentage of the length of the respective foot.

17. (original) The method as set forth in claim 16, wherein the first predetermined percentage is sixty percent, the second predetermined percentage is sixty-five percent, the third predetermined percentage is seventy percent, the fourth predetermined percentage is seventy-five percent and the fifth predetermined percentage is eighty percent.

18. (original) A method for developing a pair of custom shoes for a customer, the method comprising:

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determining a first plurality of measurements by measuring a base last;

storing the first plurality of measurements;

determining a second plurality of measurements by measuring at least one foot of an individual;

storing the second plurality of measurements;

developing a pair of template lasts;

developing a pair of test shoes from the pair of template lasts, the test shoe meeting at least one predetermined criteria based on feedback from the individual;

storing a third plurality of measurements associated with the pair of template lasts;

determining a fourth plurality of measurements by measuring a left foot and a right foot of a customer;

storing the fourth plurality of measurements;

determining a plurality of adjustment measurements by comparing the second plurality of measurements to the fourth plurality of measurements;

developing a pair of custom lasts associated with the customer according to the plurality of adjustment measurements by modifying either the base last or the pair of template lasts; and

developing the pair of custom shoes from the pair of custom lasts.

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19. (original) The method as set forth in claim 18, wherein determining the first plurality of measurements includes scanning the base last to determine the first plurality of measurements.

20. (original) The method as set forth in claim 19, wherein the first plurality of measurements are scaled in millimeters.

21. (original) The method as set forth in claim 18, wherein the first plurality of measurements include a last length measurement and at least one ball girth measurement.

22. (original) The method as set forth in claim 21, wherein the first plurality of measurements further include at least one of a ball width measurement, a toe height measurement, a toe girth measurement, a toe width measurement, a heel width measurement, a heel height measurement, a heel pitch measurement, an instep girth measurement and an instep height measurement.

23. (original) The method as set forth in claim 21, wherein the at least one ball girth measurement includes at least one of a ball girth measurement at a point on the base last that is a first predetermined percentage of the length of the base last, a ball width measurement at a point that is the first predetermined percentage of the length of the base last, a ball girth measurement at a point on the base last that is a second predetermined percentage of the length of the base last, a ball width measurement at a point that is the second predetermined percentage of the length of the base last, a ball girth measurement at a point on the base last that is a third predetermined percentage of the length of the base last, a ball width measurement at a point that is the third predetermined percentage of the length of the base last, a ball girth measurement at a point on the

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base last that is a fourth predetermined percentage of the length of the base last, a ball width measurement at a point that is the fourth predetermined percentage of the length of the base last, a ball girth measurement at a point on the base last that is a fifth predetermined percentage of the length of the base last and a ball width measurement at a point that is the fifth predetermined percentage of the length of the base last.

24. (original) The method as set forth in claim 23, wherein the first predetermined percentage is sixty percent, the second predetermined percentage is sixty-five percent, the third predetermined percentage is seventy percent, the fourth predetermined percentage is seventy-five percent and the fifth predetermined percentage is eighty percent.

25. (original) The method as set forth in claim 18, wherein determining the second plurality of measurements includes scanning the at least one foot to determine the second plurality of measurements.

26. (original) The method as set forth in claim 25, wherein the second plurality of measurements are scaled in millimeters.

27. (original) The method as set forth in claim 18, wherein the second plurality of measurements include a foot length measurement and at least one ball girth measurement.

28. (original) The method as set forth in claim 27, wherein the second plurality of measurements further include at least one of a ball width measurement, a toe height measurement, a toe girth measurement, a toe width measurement, a heel width measurement, a

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heel height measurement, a heel pitch measurement, an instep girth measurement and an instep height measurement.

29. (original) The method as set forth in claim 27, wherein the at least one ball girth measurement includes at least one of a ball girth measurement at a point on a respective foot that is a first predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the first predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a second predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the second predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a third predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the third predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a fourth predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the fourth predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a fifth predetermined percentage of the length of the respective foot and a ball width measurement at a point that is the fifth predetermined percentage of the length of the respective foot.

30. (original) The method as set forth in claim 29, wherein the first predetermined percentage is sixty percent, the second predetermined percentage is sixty-five percent, the third predetermined percentage is seventy percent, the fourth predetermined percentage is seventy-five percent and the fifth predetermined percentage is eighty percent.

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31. (original) The method as set forth in claim 18, wherein the predetermined criteria include a plurality of questions answered by the individual regarding how the length of each of the individual's feet feel, how the individual's toes feel, how the width of each of the individual's feet feel, how the heel of each of the individual's feet feel, how the arch of each of the individual's feet feel, how the balance of each of the individual's feet feel, how the ball of each of the individual's feet feel and how the ankle of each of the individual's feet feel.

32. (original) The method as set forth in claim 18, wherein measuring the left foot and the right foot of the customer to determine the fourth plurality of measurements includes scanning the left foot and the right foot to determine the fourth plurality of measurements.

33. (original) The method as set forth in claim 32, wherein the fourth plurality of measurements are scaled in millimeters.

34. (original) The method as set forth in claim 18, wherein the fourth plurality of measurements include a foot length measurement and at least one ball girth measurement.

35. (original) The method as set forth in claim 34, wherein the fourth plurality of measurements further include at least one of a ball width measurement, a toe height measurement, a toe girth measurement, a toe width measurement, a heel width measurement, a heel height measurement, a heel pitch measurement, an instep girth measurement and an instep height measurement.

36. (original) The method as set forth in claim 34, wherein the at least one ball girth measurement includes at least one of a ball girth measurement at a point on a respective foot that

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is a first predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the first predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a second predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the second predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a third predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the third predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a fourth predetermined percentage of the length of the respective foot, a ball width measurement at a point that is the fourth predetermined percentage of the length of the respective foot, a ball girth measurement at a point on the respective foot that is a fifth predetermined percentage of the length of the respective foot and a ball width measurement at a point that is the fifth predetermined percentage of the length of the respective foot.

37. (original) The method as set forth in claim 36, wherein the first predetermined percentage is sixty percent, the second predetermined percentage is sixty-five percent, the third predetermined percentage is seventy percent, the fourth predetermined percentage is seventy-five percent and the fifth predetermined percentage is eighty percent.

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